

## Freeform Search

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<b>Database:</b>	US Pre-Grant Publication Full-Text Database
	US Patents Full-Text Database
	US OCR Full-Text Database
	EPO Abstracts Database
	JPO Abstracts Database
	Derwent World Patents Index
	IBM Technical Disclosure Bulletins

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**Term:**

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**Display:**  **Documents in Display Format:**  **Starting with Number**

**Generate:** ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

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Search

Clear

Interrupt

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### Search History

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**DATE:** Wednesday, June 30, 2004   [Printable Copy](#)   [Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>			
<u>L5</u>	l1 and (l2 or L4)	6	<u>L5</u>
<u>L4</u>	acetylserine lyase	4	<u>L4</u>
<u>L3</u>	o-acetylserine thiol-lyase	0	<u>L3</u>
<u>L2</u>	cysteine synthase	83	<u>L2</u>
<u>L1</u>	cysteine biosynthesis	42	<u>L1</u>

END OF SEARCH HISTORY

d his full

(FILE 'HOME' ENTERED AT 10:47:10 ON 30 JUN 2004)

FILE 'AGRICOLA, BIOSIS, CAPLUS, CABA' ENTERED AT 10:47:39 ON 30 JUN 2004

L1	2	SEA ABB=ON	PLU=ON	CYSTEINE GAMMA SYNTHASE
L2	2	DUP REM L1	(0 DUPLICATES REMOVED)	
		D 1-2	IBIB ABS	
L3	461	SEA ABB=ON	PLU=ON	CYSTEINE BIOSYNTHESIS
L4	93407	SEA ABB=ON	PLU=ON	UNEXPECT? OR UNPREDICTAB? OR UNFORESEEN
L5	1157397	SEA ABB=ON	PLU=ON	(TRANSFORM? OR TRANSGEN? OR AGROBACTER? OR BIOLISTIC OR BOMBARD?)
L6	5761787	SEA ABB=ON	PLU=ON	(PLANT OR ARABIDOPSIS OR CORN OR MAIZE OR ZEA MAYS OR PETUNIA OR TOMATO OR TOBACCO OR ANTIRRHINUM )
L7	7	SEA ABB=ON	PLU=ON	L3 AND L4
L8	3	DUP REM L7	(4 DUPLICATES REMOVED)	
		D 1-3	IBIB ABS	
L9	273	DUP REM L3	(188 DUPLICATES REMOVED)	
		D 1-15	TI	
		D 16-30	TI	
		D 4,6,15,18	IBIB ABS	
L10	228	SEA ABB=ON	PLU=ON	O-ACETYL SERINE THIOL-LYASE
L11	103	DUP REM L10	(125 DUPLICATES REMOVED)	
L12	32	SEA ABB=ON	PLU=ON	L11 AND L3
L13	32	DUP REM L12	(0 DUPLICATES REMOVED)	
		D 1-15	TI	
		D 16-32	TI	
		D 2,3,5,7,8,9,29	IBIB ABS	
L14	58	SEA ABB=ON	PLU=ON	L3 AND L5 AND L6
L15	27	DUP REM L14	(31 DUPLICATES REMOVED)	
		D 1-15	TI	
		D 2, 15	IBIB ABS	

FILE HOME

FILE AGRICOLA

FILE COVERS 1970 TO 8 Jun 2004 (20040608/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE BIOSIS

FILE COVERS 1969 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 23 June 2004 (20040623/ED)

FILE RELOADED: 19 October 2003.

FILE CAPLUS

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FILE COVERS 1907 - 30 Jun 2004 VOL 141 ISS 1  
FILE LAST UPDATED: 29 Jun 2004 (20040629/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE CABA  
FILE COVERS 1973 TO 4 Jun 2004 (20040604/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

The CABA file was reloaded 7 December 2003. Enter HELP RLOAD for details.

ANSWER 1 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 487967-04-4 REGISTRY  
CN **CysM cysteine synthase (EC 4.2.99.8) (Pyrococcus abyssi strain Orsay)**  
(9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN GenBank CAB49296  
CN GenBank CAB49296 (Translated from: GenBank AJ248284)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank  
LC STN Files: CA, CAPLUS  
DT.CA Caplus document type: Journal  
RL.NP Roles from non-patents: BIOL (Biological study); PRP (Properties)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 341578-34-5 REGISTRY  
CN **Cysteine synthase (EC 4.2.99.8) (Lactococcus lactis lactis strain IL1403 gene cysK) (9CI) (CA INDEX NAME)**  
OTHER NAMES:  
CN 796: PN: WO0177334 SEQID: 797 claimed protein  
CN Protein (Lactococcus lactis strain IL1403 gene cysK)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS  
DT.CA Caplus document type: Journal; Patent  
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PRP (Properties); USES (Uses)  
RL.NP Roles from non-patents: BIOL (Biological study); PRP (Properties)

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 341576-10-1 REGISTRY  
CN **Cysteine synthase (EC 4.2.99.8) (Lactococcus lactis lactis strain IL1403 gene cysM) (9CI) (CA INDEX NAME)**  
OTHER NAMES:  
CN 550: PN: WO0177334 SEQID: 551 claimed protein  
CN Protein (Lactococcus lactis strain IL1403 gene cysM)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS  
DT.CA Caplus document type: Journal; Patent  
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PRP (Properties); USES (Uses)  
RL.NP Roles from non-patents: BIOL (Biological study); PRP (Properties)

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 202013-07-8 REGISTRY  
CN **Cytosolic O-acetylserine(thiol)lyase (EC 4.2.99.8) (Arabidopsis thaliana) (9CI) (CA INDEX NAME)**  
OTHER NAMES:  
CN 257: PN: EP1033405 SEQID: 35257 claimed protein  
CN **Cytosolic O-acetylserine(thiol)lyase (EC 4.2.99.8) (Arabidopsis thaliana clone cosmid EW10D7.IB1D20/G20182 gene dl3480c)**  
CN Protein (Arabidopsis thaliana clone Ceres\_1807768)  
CN Synthase, cysteine OAS-TL A1 (Arabidopsis thaliana gene oasA1 isoform A1)  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER  
DT.CA Caplus document type: Journal; Patent  
RL.P Roles from patents: BIOL (Biological study); OCCU (Occurrence); PRP (Properties); USES (Uses)  
RL.NP Roles from non-patents: BIOL (Biological study); PROC (Process); PRP (Properties)

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
4 REFERENCES IN FILE CA (1907 TO DATE)  
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 158652-04-1 REGISTRY  
CN Synthase, cysteine (watermelon clone pCCS11) (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN **Cysteine synthase (watermelon clone pCCS11) (EC. 4.2.99.8)**  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS  
DT.CA Caplus document type: Journal  
RL.NP Roles from non-patents: BIOL (Biological study)

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 158540-76-2 REGISTRY  
CN Synthase, cysteine (spinach clone  $\lambda$ CSC17 gene cysC precursor reduced) (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN **Cysteine synthase C (spinach clone  $\lambda$ CSC17 mitochondria-assocd. gene cysC precursor) (EC 4.2.99.8)**  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS

DT.CA CAplus document type: Journal  
RL.NP Roles from non-patents: BIOL (Biological study); PRP (Properties)

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

\*\*\* USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE \*\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

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